

Claims

1. A display apparatus whose signal processing unit is separated, the display apparatus comprising:

- 5 an image display unit for displaying an image;
 the signal processing unit installed independently separated from the image display unit, for converting an external signal into a signal for driving the image display unit; and
10 a signal connecting unit for connecting the image display unit with the signal processing unit.

2. The display apparatus of claim 1, wherein the image display unit comprises:

- 15 an image display part for displaying the image according to the inputted signal;
 an inverter for generating a high voltage required for the image display part; and
 an inverter connector for supplying the image display part with the high voltage generated in the inverter.

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3. The display apparatus of claim 1, wherein the signal processing unit comprises:

- a driving circuit for converting the external signal so that the image display unit can receive the signal; and
25 an external signal receiver formed at the driving circuit, for receiving signals which a user intends to display.

4. The display apparatus of claim 3, wherein the external signal receiver is a television antenna signal receiver.

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5. The display apparatus of claim 3, wherein the external signal receiver is a VCR signal receiver.

6. The display apparatus of claim 3, wherein the external signal
35 receiver is a PC signal receiver.

7. The display apparatus of claim 3, wherein the external signal receiver is a DVD signal receiver.

5 8. The display apparatus of claim 3, wherein the signal processing unit further comprises a signal processing case in which the driving circuit and the external signal receiver are installed.

10 9. The display apparatus of claim 1, wherein the signal connecting unit is a driving signal connector.

10. A display apparatus whose signal processing unit is separated, the display apparatus comprising:

an image display unit for displaying an image;

15 the signal processing unit installed at a set top box separated from the image display unit, for converting an external signal into a signal for driving the image display unit; and

20 a signal connecting unit for connecting the image display unit with the signal processing unit.

11. The display apparatus of claim 10, wherein the image display unit comprises:

an image display part for displaying the image according to the inputted signal;

25 an inverter for generating a high voltage required for the image display part; and

an inverter connector for supplying the image display part with the high voltage.

30 12. The display apparatus of claim 10, wherein the signal processing unit comprises:

a driving circuit for converting the external signal so that the image display unit can receive the signal; and

35 an external signal receiver formed at the driving circuit, for receiving signals which a user intends to display.

13. The apparatus of claim 10, wherein the signal connecting unit is a driving signal connector.

5 14. A display apparatus whose signal processing unit is separated, the display apparatus comprising:

an image display unit for displaying an image;

a signal processing unit installed at a main board separated from the image display unit, for converting an external signal into a signal for driving
10 the image display unit; and

a signal connecting unit for connecting the image display unit with the signal processing unit.

15 15. The display apparatus of claim 14, wherein the image display unit comprises:

an image display part for displaying the image according to the inputted signal;

an inverter for generating a high voltage required for the image display part; and

20 an inverter connector for supplying the image display part with the high voltage.

16. The display apparatus of claim 14, wherein the signal processing unit comprises:

25 a driving circuit for converting the external signal so that the image display unit can receive the signal; and

an external signal receiver formed at the driving circuit, for receiving signals which a user intends to display.

30 17. The display apparatus of claim 14, wherein the signal connecting unit is a driving signal connector.

18. A display apparatus whose signal processing unit is separated, the display apparatus comprising:

35 an image display part for displaying the image according to the

inputted signal;

an inverter for generating a high voltage required for the image display part;

5 an inverter connector for supplying the image display part with the high voltage;

a driving circuit separated from the image display part, for converting the external signal into the signal so that the image display part can receive the signal;

10 an external signal receiver formed at the driving circuit, for receiving signals which a user intends to display; and

a driving signal connector for connecting the driving circuit with the image display part and the inverter.

15 19. The display apparatus of claim 18, further comprising a signal processing case in which the driving circuit and the external signal receiver are installed.